Course Plan

1. Intro Video
   https://user-images.githubusercontent.com/5192670/173299959-9fdd4cd0-bfe9-4483-9a8c-f2aa1dc72d96.mp4
   python_course062022/intro.pdf

2. String Video
   https://user-images.githubusercontent.com/5192670/173300414-11209582-b811-47c1-88e3-b3d6e1c63184.mp4
   python_course062022/01_strings/01_strings.pdf

3. Assignment 1
   python_course062022/01_strings/01_PythonCourse2022_assignment_countNN.ipynb

4. Answer Assignment 1

   python_course062022/solutions/01.py

5. Assignment 2
   python_course062022/01_strings/02_PythonCourse2022_assignment_transcribe.ipynb

6. Answer Assignment 1
   python_course062022/solutions/02.py

7. Assignment 3
   python_course062022/01_strings/03_PythonCourse2022_assignment_GC.ipynb

8. Answer Assignment 3

   python_course062022/solutions/03.py

9. List Video

> https://user-images.githubusercontent.com/5192670/173303125-f7c21277-62d5-483b-8325-10157b97ac65.mp4
> python_course062022/02_lists/02_lists.pdf

10. Assignment 4

> python_course062022/02_lists/04_PythonCourse2022_assignment_list.ipynb

11. Answer Assignment 4

> python_course062022/solutions/04.py

12. Dictionary Video

> https://user-images.githubusercontent.com/5192670/173303295-2d8eaf55-b470-43a9-af23-575e8101cf3e.mp4
> python_course062022/03_dicts/03_dicts.pdf

13. Assignment 5

> python_course062022/03_dicts/05_PythonCourse2022_assignment_codon.ipynb

14. Answer Assignment 5

> python_course062022/solutions/05.py

15. Slicing Video

> https://user-images.githubusercontent.com/5192670/173303411-a4a63b92-984d-4745-97e2-ed665628b5e0.mp4
> python_course062022/04_slicing/04_slicing.pdf

16. Assignment 6

> python_course062022/04_slicing/06_PythonCourse2022_assignment_triplets.ipynb

17. Answer Assignment 6

python_course062022/solutions/06.py

Welcome (5)

18. If Video

https://user-images.githubusercontent.com/5192670/173303567-f738702a-af55-4772-91f4-61076073c275.mp4

python_course062022/06_if/06_if.pdf

19. Loops Video

https://user-images.githubusercontent.com/5192670/173303749-762518b2-aac2-4cb6-8994-017648f67300.mp4

python_course062022/07_loops/07_loops.pdf

20. Assignment 7

python_course062022/07_loops/07_PythonCourse2022_assignment_transcribe.ipynb

21. Answer Assignment 7

python_course062022/solutions/07.py

22. Assignment 8

python_course062022/07_loops/08_PythonCourse2022_assignment_mutation.ipynb

23. Answer Assignment 8

python_course062022/solutions/08.py

24. Files Video

https://user-images.githubusercontent.com/5192670/173303983-3348c76a-d9ef-43ce-8179-a08316676525.mp4

python_course062022/08_files/08_files.pdf

25. Assignment 9

python_course062022/08_files/09_PythonCourse2022_assignment_files.ipynb

26. Answer Assignment 9

python_course062022/solutions/09.py

27. Assignment 10

  python_course062022/09_capstone/10_PythonCourse2022_assignment_protein.ipynb

28. Answer Assignment 10

  python_course062022/solutions/10.py

29. Assignment 11

  python_course062022/09_capstone/11_PythonCourse2022_assignment_capstone.ipynb

30. Answer Assignment 11

  python_course062022/solutions/11.py

31. Additional assignments ans solutions

  a. python_course062022/challenges /12_ligation_calculator.ipynb
   python_course062022/solutions/12.py

  b. python_course062022/challenges /13_molarity_calculator.ipynb
   python_course062022/solutions/13.py